INTERNATIONAL SEARCH REPORT

national Application No F/GB2004/004343

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A01J7/04 A01J7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. RELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 A01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Calegory •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 277 396 A (MULTINORM B.V; PROLION B.V) 10 August 1988 (1988-08-10)	1-5, 11-18, 20,21
Υ	column 1 - column 2; figures 2,4	19
X	GB 918 766 A (EDWARD DAVID DYKE) 20 February 1963 (1963-02-20)	1,3-8,12
Υ	page 3; figure 3	9,10
X	EP 1 219 167 A (MAASLAND N.V) 3 July 2002 (2002-07-03) column 3 - column 5; figures 2-4	1-5,12
	-/	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of clied documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the International filing date L' document which may throw doubts on priority ctaim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date ctaimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken atone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
Date of the actual completion of the international search	Date of mailing of the international search report		
25 January 2005	07/02/2005		
Name and mailing address of the ISA European Patent Office, P.B. 5816 Patentiaan 2	Authorized officer		
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Moeremans, B		

national Application No INTERNATIONAL SEARCH REPORT r/GB2004/004343 C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X DATABASE WPI 1 Section PQ, Week 199224 Derwent Publications Ltd., London, GB; Class P13, AN 1992-198051 XP002314833 -& SU 1 676 538 A1 (S LIVESTOCK RAISING MECHN ELECTRIF INST) 15 September 1991 (1991-09-15) abstract WO 01/17338 A (DELAVAL HOLDING AB; Y 9,10 ERIKSSON, JAN) 15 March 2001 (2001-03-15) figures 2,4 Α 15 EP 0 543 463 A (BERTHOLD, JOHANNES THEODOOR DIETRICH; DIETRICH, BERTHOLD Υ 19 JOHANNES THEO) 26 May 1993 (1993-05-26) cited in the application claims 10,11; figures 1-3 Α US 6 546 893 B1 (HAPPEL FRITZ ET AL) 5-8 15 April 2003 (2003-04-15) column 8; figures 12,13

Information on patent family members

ational Application No /GB2004/004343

	tent document In search report		Publication date		Patent family member(s)	Publication date
EP	0277396	A	10-08-1988	NL AT AU DE DE DK EP JP JP JP JP	8700249 A 81439 T 602381 B2 1020988 A 3782238 D1 3782238 T2 50088 A 0277396 A1 0527509 A2 2529875 B2 63196216 A 2608044 B2 8037972 A 4924809 A	01-09-1988 15-10-1992 11-10-1990 04-08-1988 19-11-1992 25-02-1993 03-08-1988 10-08-1988 17-02-1993 04-09-1996 15-08-1988 07-05-1997 13-02-1996 15-05-1990
GB	918766	Α	20-02-1963	NONE		
EP	1219167	A	03-07-2002	EP EP EP DE DE	0801893 A2 1219167 A2 1208743 A2 69715500 D1 69715500 T2	22-10-1997 03-07-2002 29-05-2002 24-10-2002 24-04-2003
SU	1676538	A1	15-09-1991	NONE		
MO	0117338	A	15-03-2001	SE AT AU DE EP WO SE	518094 C2 271311 T 7466000 A 60012338 D1 1209965 A1 0117338 A1 9903199 A	27-08-2002 15-08-2004 10-04-2001 26-08-2004 05-06-2002 15-03-2001 10-03-2001
EP	0543463	A	26-05-1993	AT CA DE DE DK EP ES IL US	199810 T 2083357 A1 69231748 D1 69231748 T2 543463 T3 0543463 A1 2157894 T3 103813 A 5386799 A	15-04-2001 23-05-1993 26-04-2001 18-10-2001 16-07-2001 26-05-1993 01-09-2001 10-01-1997 07-02-1995
US	6546893	В1	15-04-2003	DE DE DE AT AU WO DE DE EP	19840732 A1 19847912 A1 19912615 A1 259142 T 1148800 A 0013489 A2 19981655 D2 59908528 D1 1119235 A2	09-03-2000 18-05-2000 28-09-2000 15-02-2004 27-03-2000 16-03-2000 27-09-2001 18-03-2004 01-08-2001